

Replacement Drawing Sheets

15/37

Figure 13: Alignment of SEQ ID NO: 2 with Swiss Prot database

	1	50
Q9JZ47	MSSNKASFFTRL
Q9JU41	MSSNKASFFTRL
Q59601	MSSNKASFFTRL
Q9HW50	MARLRLLLRSARL
SEQ ID NO: 2	MSAWTRAKTAVGL
O35259	METIMDDEVTKRTSAEELESWNLLSRTNYNFYISLRLTILWGLVGLIRY	

	51	100
Q9JZ47	RRLCRLAVWLFKTGKNLRGIDGG.CPESNRRAVIELGRGVLAALD.....	
Q9JU41	RRLCRLTVWLFKTGKNLRGIDGG.CPESNRRAVIELGRGVLAALD.....	
Q59601	RRLCRLTVWLFKTGKNLRGIDGG.CPKSRRAVIALGKGALAALD.....	
Q9HW50	LGLVALGLGLAAWVSLRERLPGADVTPLRQLTRWWLARLCAALP.....	
SEQ ID NO: 2	LTLAPARIVFLVTVLGTGYGLTVAACRLGVPKSFVLGLTRCVARLTLWGL	
O35259	CFLPLPLRIALAFGTIGLLVVGTTMVGYPNGRPFKEFLSKHVHLMCYRICV	

	101	150
Q9JZ47	..IGLEVGRPAPEHPNG..VLVAANHVSULDIFAMS.AVYPSSFIKQEI	
Q9JU41	..IGLEVGRPAPEHPNG..VLVAANHVSULDIFAMS.AVYPSSFIKQEI	
Q59601	..IGLEVGRPAPEHPNG..VLVAANHVSULDIFAMS.AVYPSSFIKQEI	
Q9HW50	..FEVRVSGEAPRQP...MLWVANHVSWTDIPLLG.ALAPLTFLSKAEV	
SEQ ID NO: 2	GFYHIEVSCDAQGLREWP.RVIVANHVSYLEILYFMSTVHCPSFVMKKT	
O35259	RALTAIIITYHNRKNRPRNGGICVANHTSRIDVIFASDGYAMVGQVHGG	

	151	200
Q9JZ47	KSWPVLGKMGQNAGTVFINRNSRR.....DIEPINRAVCETLQRGQ	
Q9JU41	KSWPVLGKMGQNAGTVFINRNSRR.....DIEPINRAVCETLQRGQ	
Q59601	KSWPVLGKMGQNAGTVFINRNSRR.....DIEPINRAVCETLQRGQ	
Q9HW50	RAWPLAGWLAEKAGTLFIRRGSG.....DSRLINQRLAEQLHRGR	
SEQ ID NO: 2	LRVPLVGYIAMELGGVIVDREGGQSASAIIRDVRQEPDSSSEKHHAQ	
O35259	LMGVIQRAMVKACPHVWFERSEVK.....DRHLVAKRLTEHVQDKS	

	201	250
Q9JZ47	..NVSFFPEARTSSGLGLLPFKAALFQSAIDAGAKVLAVALRYYDETGKR	
Q9JU41	..NVSFFPEARTSSGLGLLPFKAALFQSAIDAGAKVLAVALRYYDETGKR	
Q59601	..NVSFFPEARTSSGLGLLPFKAALFQSAIDAGAKVLAVALRYYDETGKR	
Q9HW50	..NLLIFPEGTTTNGESLRTFHGRMLASALEAGVAVQPVAISYRRDGVDP	
SEQ ID NO: 2	..PLLVFPEGTTTNGSCLLQFKTGAFR...PG.APVLPVVLEFPIDKARG	
O35259	KLPILIFPEGTCINNTSVMFMFKGSFEIG...ATVYPVAIKY..DPQFG	

Replacement Drawing Sheets

16/37

Figure 13 (continued)

	251	300
Q9JZ47	TARPSYADVGLPTCLWRIVSMKKLTIRVDFVCVADAAE.....	
Q9JU41	TARPSYADVGLPTCLWRIVSMKKLTIKVDFVCVADAAE.....	
Q59601	TARPSYADVGLPTCLWRIVSMKKLTIKVDFVCVADAAE.....	
Q9HW50	AQAPFIGDDDLLSHLGRLLRGERGSVHIQLLEPIPSQ.....	
SEQ ID NO: 2	DFSPAYESVHTPAHLLRMLAQWRHRLRVRYLPLYEPSAAEKVDADLYARN	
O35259	DAFWNSSKYGMVTYLLRMMTSWAIVCSVWYLPPMTRE.....	
	301	349
Q9JZ47	...SEDRYALKDKIEESIRAVVADDADIIV.....	
Q9JU41	...SEDRYALKDKIEESIRAVVADDADIIV.....	
Q59601	...SEDRYALKDKIEESIRAVVADDADIIV.....	
Q9HW50	...GLDRAELARQAQQAVRLALFGTAAPTQTRRAA.....	
SEQ ID NO: 2	VRDEMARALKVPTVEQSYRDKLVYHADLMPHYQKAGPGALYLYVRPDLL	
O35259	.....KDEDAVQFANRVKSAIARQEDW.....	

Replacement Drawing Sheets

17/37

Figure 14: Alignment of SEQ ID NO: 5 with Swiss Prot database

	1	50
Q9C9P8	MEVCGDLKSDNLKNRPLTPLRILRGLMILLVFLSTAFMFLLYFAPIAALG	
Q9SFJ1	MEVCGDLKSDNLKNRPLTPLRILRGLMILLVFLSTAFMFLLYFAPIAALG	
Q9LHN4	....MEKKSVPNSDKLSLIRVLRGIICLMVLVSTAFMMLIFWGFLSAVV	
SEQ ID NO: 5	.....
Q9SDN3	.....
Q9XFW4	.....MAMAAVIVPLGILFFISGLVNNLLQAVCYVLV	
	51	100
Q9C9P8	LRLLSVQQSRKVVSLIFGLWLALWPYLFETVNGTTVVFSGDIIP...VEK	
Q9SFJ1	LRLLSVQQSRKVVSLIFGLWLALWPYLFETVNGTTVVFSGDIIP...VEK	
Q9LHN4	LRLFSIRYSRKCVSFFFGSWLALWPFLFEKINKTKVIFSGDKVP...CED	
SEQ ID NO: 5	.....MDVVKVIFAGDKVP...KEN	
Q9SDN3	.....MGKE	
Q9XFW4	RPMSKNTYRKINRVVAETLWLELVWIVDWWAGVKIQVFADDETFNRMGKE	
	101	150
Q9C9P8	RVLLIANHRTEVDWMYLWNIALRKGCGLGYIKYVLKSSLMKLPFIGWGFGHV	
Q9SFJ1	RVLLIANHRTEVDWMYLWNIALRKGCGLGYIKYVLKSSLMKLPFIGWGFGHV	
Q9LHN4	RVLLIANHRTEVDWMYFWDLALRKQGIGNIKYVLKSSLMKLPFIGWAFHL	
SEQ ID NO: 5	RVMVMCNHRTEVDWMYIWNLAIRKGKIGYCKYAVKNSVKNLPLFGWAFYV	
Q9SDN3	HALVISNHRSDIDWLVGWVLAQRSGCLGSSLAVMKSSKFLPVIGWSMWF	
Q9XFW4	HALVVCNHRSDIDWLVGWILAQRSGCLGSALAVMKSSKFLPVIGWSMWF	
	151	200
Q9C9P8	LEFIPVERKREVDEPVLLQMLSSFKDPQEPLWLALFPEGTDFTTECKCKRS	
Q9SFJ1	LEFIPVERKREVDEPVLLQMLSSFKDPQEPLWLALFPEGTDFTTECKCKRS	
Q9LHN4	FEFIPVERRWEVDEANLRQIVSSFKDPRDALWLALFPEGTDYTEAKCQRS	
SEQ ID NO: 5	FEFLMLHRKWEVDAPVIKTYIDSFQDKRDPLWL VVFPEGTD FSEAKRDTG	
Q9SDN3	SEYLFLEERSWAKDEGTLKSGVQRLKDFPQPFWLALFVEGTRFTQAKLLAA	
Q9XFW4	SEYLFLEERNWAKDESTLQSGLQRLNDFPRPFWLALFVEGTRFTEAKLKAA	
	201	250
Q9C9P8	QKFAAEVGLPALSNVLLPKTRGFGVCLEVLHNSLDAVYDLTIAYKPRCP.	
Q9SFJ1	QKFAAEVGLPALSNVLLPKTRGFGVCLEVLHNSLDAVYDLTIAYKPRCP.	
Q9LHN4	KKFAAENGLPILNNVLLPRTKGFVSCLELSCSLDAVYDVTIGYKTRCP.	
SEQ ID NO: 5	NAIGREKGYPELVNVLQPRTRGFVTCLSQSRCSLDAVYDLTIGYKKRCP.	
Q9SDN3	QEYAAATGLPVPNRNVLIPRTKGFVTAVSQMRSFAPAIYDVTVAIPKSSPA	
Q9XFW4	QEYAASELVPVRNVLIPRTKGFVSAVSNMRSFVPAIYDMTVAIPKTSPP	

Replacement Drawing Sheets

18/37

Figure 14 (continued)

	251	300
Q9C9P8	SFMDNVFGTDPSEVHIHVRRVLLKEIPANEAESSAWLMDSFKLKDKLLSD	
Q9SFJ1	SFMDNVFGTDPSEVHIHVRRVLLKEIPANEAESSAWLMDSFKLKDKLLSD	
Q9LHN4	SFLDNVYGI EPSEVHIHRRINLTQIPNQEKDINAWLMNTFQLKDQLLND	
SEQ ID NO: 5	LFINN VF GTDPSEVHIHRRIPISEIPQSE DGMTQWLYDLFYQKDQMLAS	
Q9SDN3	PTMLRLFEGRP SVVHVHIKRHV MRDLPETDEAVAQWCKDIFVAKDALLDK	
Q9XFW4	PTMLRLFKGQPSVVHVHIKCHSMKDLPEPEDEIAQWCRDQFVAKDALLDK	
	301	350
Q9C9P8	FNAQGKFPNQRPEEELSVLKCIATFAGKQQQVTKPSCQKVFLLLNQSSDE	
Q9SFJ1	FNAQGKFPNQRPEEELSVLKCIATFAGKQQQVTKPSCQKVFLLLNQSSDE	
Q9LHN4	FYSNGHFPNEGTEKEFN TKKYLINCLAVIAFTTICTH LTFSSMIWFRIY	
SEQ ID NO: 5	FSKTGSPD SGIE.ESPLNIVEGVCNVALHVVL SGWVFWCLFHSVWLKLY	
Q9SDN3	HTVEQTFG DQQLKVTGRPLKSLLVVTAWACLLILGALKFLYWSSLLSSWK	
Q9XFW4	HIAADTFPGQKEQNIGRP IKS LAVVSWACLLTLGAMKFLHWSNLFSSWK	
	351	400
Q9C9P8	KESKKAVAQHPFTDTLDH L FQVEHSISCFLYMHIYNLSTCHLISLYE...	
Q9SFJ1	KESKKAVAQHPFTDTLDH L FQVEHSISCFLYMHIYNLSTCHLISLYE...	
Q9LHN4	VSLACVYLT SATHFNLR SVPLVETAKNSLKL VNK.....	
SEQ ID NO: 5	VAFASLLLA FSTYFDWRPKPVYSSLRTKRKIV.....	
Q9SDN3	GIAFSALGLGVVTVLMQILIRFSQSERSTPAPVAPTNNKNKGESSGKPEK	
Q9XFW4	GIALSAFGLGIITLCMQILIRSSQSERSTPAKVAPAKPKDNHQSGPSSQT	
	401	
Q9C9P8	.....
Q9SFJ1	.....
Q9LHN4	.....
SEQ ID NO: 5	.....
Q9SDN3	QQ.....	
Q9XFW4	EVEEKQK	

Replacement Drawing Sheets

19/37

Figure 15: Alignment of SEQ ID NO: 35 with Swiss Prot database

	1	50
P04180	.....	MGP
Q08758	.....	MGP
Q9MZ04	.....	MGL
Q9DDJ6	.....	MGR
Q9Y2B3	.....	MGL
SEQ ID NO: 35	MCSISCGSTPQQLCHYRKSGELITRKSRAAIRWWRYGQQCKVLLPLDLIR	
	51	100
P04180	PGSPWQWVTLTLGLLLPP.....	AAPFWLLNVLFPPHTTPK
Q08758	PGSPWQWVPLLLGLLLPP.....	AAPFWLLNVLFPPHTTPK
Q9MZ04	PGSPWQWVLLLELLLPPT.....	AAPFWLLNVLFPPHTTPK
Q9DDJ6	TGAGFALLTLLLLLPQP.....	ASQFWLFNVLFPPSTPE
Q9Y2B3	HLRPYRVGLLPDGLLFL.....	LLLMLLADPALP.....
SEQ ID NO: 35	SSSQFFIVLTLTLFLFTTCGAVHTAAQDRSFATLSQRSRASLFSVGRAQ	
	101	150
P04180	AELSNHTRPVILVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDEFTIWLDL	
Q08758	AELSNHTRPVILVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDEFTIWLDL	
Q9MZ04	AELSNHTRPVILVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDEFTIWLDL	
Q9DDJ6	APPTNSTPPVVLVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDEFTIWLNL	
Q9Y2B3	...AGRHPVVLVPGDLGNQLEAKLDKPTVVH.YLCSKKTESYFTIWLNL	
SEQ ID NO: 35	ARNKHHLAPVIVPGTGGNQLEARLTADYEANKPWCYSFRKDYFRLWLDP	
	151	200
P04180	NMFLPLGVDCWIDNTRVVYNRSSGLVSNAPGVQIRVPGFGKTYSEYLDL	
Q08758	NMFLPLGVDCWIDNTRVVYNRSSGLVSNAPGVQIRVPGFGKTYSEYLDL	
Q9MZ04	NMFLPLGVDCWIDNTRVTYNHSSGRVSNAPGVQIRVPGFGKTYSEYLDN	
Q9DDJ6	NTFLPVGVDCWIDNTRVVYNRTSRKMSNAPGVHIRVPGFGKTYSEYLDQ	
Q9Y2B3	ELLLPVIIDCWIDNIRLVYNKTSRATQFPDGVDRVPGFGKTFSEFLDP	
SEQ ID NO: 35	KTLFPPFTTCFADRLSLDYNPQSDAYSNIKGVKTRVPFFGTTEGMEYLDP	
	201	250
P04180	SK..LAGYLHTLVQNLVNGYVRDETVRAAPYDWRLEPGQQE....EYY	
Q08758	SK..LAGYLHTLVQNLVNGYVRDETVRAAPYDWRLEPGQQE....EYY	
Q9MZ04	SK..LAGYHMLTVQNLVNGYVRDETVRAAPYDWRLEPGQQE....EYY	
Q9DDJ6	SK..LAGYLHTLVQNLVNGYVRDQTVRAAPYDWRVGPQEQP....EYF	
Q9Y2B3	SKSSVGSYFHTMVESLVGWGYTRGEDVRGAPYDWRAPNENG....PYF	
SEQ ID NO: 35	SLKFLTGYMIHLVNALKAHGYENGKSLYGAPYDFRFAPGPHASNVALEYL	

Replacement Drawing Sheets

20/37

Figure 15 (continued)

	251	300
P04180	RKLAGLVEEMHAAYG.KPVFLIGHSLGCLHLLYFLLRQPQAWKDRFIDGF	
Q08758	HKLAGLVEEMHAAYG.KPVFLIGHSLGCLHLLYFLLRQPQAWKDRFIDGF	
Q9MZ04	RDLARLVEEMHATYG.KPVFLIGHSLGCLHLLHFLHQPQSWKDRFIDGF	
Q9DDJ6	QNLKALIEEMHDEYQ.QRVFLIAHSMGNLNVLYFLLQQRQAWKDQYIGGF	
Q9Y2B3	LALREMIEMYQLYG.GPVVLVAHSMGNMYTLYFLQRQPQAWKDKYIRAF	
SEQ ID NO: 35	KDLKDLIETAYSVNANEPVVILAHSMGGLWTLFFLNQQSMEWRNKYVSRF	
	301	350
P04180	ISLGAPWGGSIKPMLVLASGDNQGIPIIMSSIKLKEEQRITTTSPWMFPSPR	
Q08758	ISLGAPWGGSIKPMLVLASGDNQGIPIIMSSIKLKEEQRITTTSPWMFPSPR	
Q9MZ04	ISLGAPWGGSIKPMQVLASGDNQGIPIIMSSIKLKEEQRITTTSPWMFPSS	
Q9DDJ6	ISLGAPWGGSVKPLRVLASGDNQGIPLMSNIKLREEQRMTTTSPWMFPST	
Q9Y2B3	VSLGAPWGGVAKTLRVLASGDNNRIPVIGPLKIREQQRSAVSTSWLLPYN	
SEQ ID NO: 35	VSVATPWGGAVEQMMTFASGNPEGVPFVNSLVVREEQRRSESNLWLLPVR	
	351	400
P04180	MAWPEDHVFISTPSFNYTGRDFQRFADLHFEEGWYMWLQ.SRDLLAGLP	
Q08758	LAWPEDHVFISTPSFNYTGRDFQRFADLHFEEGWYMWLQ.SRDLLAGLP	
Q9MZ04	EVWPEDHVFISTPSFNYTIRDYQRFVDVHFEEGWYMWLQ.SRDLLAGLP	
Q9DDJ6	LAWPEDHIFISTPSYNYTYRDKQFFTDVNLEDGWYMWED.MKDLLKGLP	
Q9Y2B3	YTWSPEKVFTPTINYTLRDYRKFFQDIGFEDGWLMRQD.TEGLVEATM	
SEQ ID NO: 35	RCFR.DRPLVITSSRNYTAGDMEQFLCDIGFPEGVAPYKSRIPLTDILQ	
	401	450
P04180	APGVEVYCLYGVLPTPRTYIYDHGFPYTDVPGVLYEDGDDTVATRST.E	
Q08758	APGVEVYCLYGVLPTPRTYIYDHGFPYTDVVDVLYEDGDDTVATRST.E	
Q9MZ04	APGVEVYCLYGVLPTPSTYIYDHDFPYTDPLDVLYEDGDNTVATRSM.E	
Q9DDJ6	PPGVDTYCLYGTGYPTVETIYIDEHFPYEDPVDMIYGDGDDTVNRRSS.E	
Q9Y2B3	PPGVQLHCLYGTGVPPTDSFYYES.FPDRDPK.ICFGDGDGTVNLKSA.L	
SEQ ID NO: 35	PPQVPVTLIHGYGVPTAETLSYEK.KGFDNHPEITEGDGDGTVNVCSLTA	
	451	500
P04180	LCGLWQGRQPQPVHLLPLHGIQHLNMVFSNLTLEHINAILLGAYRQGPPA	
Q08758	LCGLWQGRQPQPVHLLPLRGIQHLNMVFSNQTLLEHINAILLGAYRQGPPA	
Q9MZ04	LCSQWQGRQPQPVHLLPLHRIQHLNMVFSNQTLLEHINDILLGAYRHGNPV	
Q9DDJ6	LCKRWRNQKQKVHIQELRGIDHLNMVFSNLTSSINEILLGSSQVGAGT	
Q9Y2B3	QCQAWQSRQEHQVLLQELPGSEHIEMLANATTLAYLKRVLLGP.....	
SEQ ID NO: 35	VVEEWERVAGQELEMIALHGKQHMQILHDDHSVQVIVDAILNVTPEQLM	
	501	524
P04180	SPTASPEPPPPPE.....	
Q08758	SLTASPEPPPPPE.....	
Q9MZ04	PPAASPRPLTPE.....	
Q9DDJ6	KEHGELGQMGAALKSSLEAGRRGKN	
Q9Y2B3	.....
SEQ ID NO: 35	FH.....	

Replacement Drawing Sheets

21/37

Figure 16: Alignment of SEQ ID NO: 23 with Swiss Prot database

	1	50
P10349	.....
Q9FEP9	.....MFILSSSSSTLPSAPPFSSTTSIFLSFSRVSLPPSSSSLK...	
Q39639	MFILSAVSSSSSSSSVPSLPPFSLSPSISLSFSRVSLPPSSSSSSSL	
Q9FEQ0	.....MFILSSSSSLPSPLSLSSSRVSLPPPSSSSLN..	
Q9M4V1	.....MLVPSALPRVSRSVSAARFSVSGVGSSPALSSRS	
SEQ ID NO: 23	.....MPSLFRAKRNGRRTPGNAVTN...	
	51	100
P10349	.....MAELIQDKESAQSAATAAAAS	
Q9FEP9	..LLPLSLQFGPPKLAS.SCSLRFSASRAMAELIQDKESAQSAATAAAAS	
Q39639	KLFLPLSLHFTPPKLSSPHSFLRFSASRAMAELIQDKESAHTPSTTDVTR	
Q9FEQ0	..LLPLSPHFQPPNLAC...SCSVASRSTAELLHDFKHSHTAASADEAR	
Q9M4V1	CTSLDSSVRSSLRRCPGCIYTSRTKAVVEAVESKASAREWRSVAVKRAVLA	
SEQ ID NO: 23	.....FGKSEFH....R..EIS...GSTRATTQVAEATTAGLRE	
	101	150
P10349	SGYERRNEPAHSRKFLDVRSEEELLSCIKKETEAGKLPPNVAAGMEELYQ	
Q9FEP9	SGYERRNEPAHSRKFLDVRSEEELLSCIKKETEAGKLPPNVAAGMEELYQ	
Q39639	N.....DPPHSRAFLDLRSEEELLSCIRRETEAGKLPSNVAAGMEELYQ	
Q9FEQ0	N.....HLPHSRAFLDVRSEQELLSYIRREAEAGKLPSNVAAGMEELYQ	
Q9M4V1	SDTGAEEEVGHRSRSLRARSEEELLSYIRKEVETGRLSSDIANGLEEELY	
SEQ ID NO: 23	TIEDRAIIDGHSHSFEGIQSEEELMQVIEKEVESGRLPKRAGAGMVELYR	
	151	200
P10349	NYRNAVIESGNPKADEIVLSNMTVALDRILLDVEDPFVFSHHKAIREPF	
Q9FEP9	NYRNAVIESGNPKADEIVLSNMTVALDRILLDVEDPFVFSHHKAIREPF	
Q39639	NYKNAVFESGNPKADEIVLSNMTVALDRILLDVEDPFMFSPHHKAIREPF	
Q9FEQ0	NYKNAVLKSGNPKADEIVLSNMTVALDRILLDVEEPPVFSPPHHKAVREPF	
Q9M4V1	NYRNAVLQSGDPRANKIILSNMAVAFDRILLDVEDPFTFSPHHQAIREPF	
SEQ ID NO: 23	NYRDAVVSSGVENAMDIVVKVMSTVLDRILLQFEEPFFTFGSHHKRMVEPY	
	201	250
P10349	DYYIFGQNYIRPLIDFGNSFVGNLSLFKDIEEKLQQGHNVVLISNHQTEA	
Q9FEP9	DYYIFGQNYIRPLIDFGNSFVGNLSLFKDIEEKLQQGHNVVLISNHQTEA	
Q39639	DYYTFGQNYVRPLIDFENSFVGNLSLFKDIEEKLHQGHNVVLISNHQTEA	
Q9FEQ0	DYYTFGQNYVRPLIDFGNSFVGNPFLFKDIEEKLHQGHNVVLISNHQTEA	
Q9M4V1	DYYMFGQNYIRPLIDFRRSYIGNISIFSDMEEKLQQGHNVILMSNHQTEA	
SEQ ID NO: 23	DYYTFGQNYVRPLLDFRNSYLGNLKIFDQIEKNLKEGHNVIFLSNHQTEA	

Replacement Drawing Sheets

22/37

Figure 16 (continued)

	251	300
P10349	DPAIISLLEKTNPYIAENTIFVAGDRVLADPLCKPFSIGRNLCVYSKK	
Q9FEP9	DPAIISLLEKTNPYIAENTIFVAGDRVLADPLCKPFSIGRNLCVYSKK	
Q39639	DPAIISLLEKTNPYIAENMIYVAGDRVIADPLCKPFSIGRNLCVYSKK	
Q9FEQ0	DPAIISLLEKTSPIYAENMIYVAGDRVIDPLCKPFSIGRNLCVYSKK	
Q9M4V1	DPAIALLLERTNSHIAETMVVAGDRVLTDPCKPFSMGRNLLCVYSKK	
SEQ ID NO: 23	DPAVMALLLEHSHPYLAENLTYVAGDRVLDPFCKPFSMGRNLLCVYSKK	

	301	350
P10349	HMFDIPELTETTKRKANTRSLKEMALLRGGSQLIWIAPSGGRDRPDPSTG	
Q9FEP9	HMFDIPELTETTKRKANTRSLKEMALLRGGSQLIWIAPSGGRDRPDPSTG	
Q39639	HMLDIPELAETTKRKANTRSLKEMALLRGGSQLIWIAPSGGRDRPDPSTG	
Q9FEQ0	HMFDIPELAETTKRKANTRSLKEMALLRGGSQLIWIAPSGGRDRDLDPSSG	
Q9M4V1	HMDDVPELIEMKRRANTRSLKEMALLRGGSQLIWIAPSGGRDRPDPSTG	
SEQ ID NO: 23	HIHDVPLAEMKIKANAKTLRQMTILLRQGGQYYG.....	

	351	400
P10349	EWYPAPFDASSVDNMRRLIQHSDVPGHLFPLALLCHDIMPPPSQVEIEIG	
Q9FEP9	EWYPAPFDASSVDNMRRLIQHSDVPGHLFPLALLCHDIMPPPSQVEIEIG	
Q39639	EWYPAPFDASSVDNMRRLLQHSGAPGHLFPLALLCYDIMPPPSQVEIEIG	
Q9FEQ0	EWLPAPFDASSMDNMRRLIQHSGVPGHLCPLALLCYDIMPPPSQVEIEIG	
Q9M4V1	EWHPAPFDVSSVDNMRRLEHSSVPGHIYPLSLLCYEVMPPPPQVEKQIG	
SEQ ID NO: 23	.....

	401	450
P10349	EKRVIAFNGAGLSVAPEISFEEIAATHKNPEEVREAYSKALFDSVAMQYN	
Q9FEP9	EKRVIAFNGAGLSVAPEISFEEIAATHKNPEEVREAYSKALFDSVAMQYN	
Q39639	EKRVISFNGTGLSVGPEISFDEIAASRDNPDEVREAYSKALYDSVAKQYN	
Q9FEQ0	EKRVISFNGVGLSLAPASFEIAATHRNPDEAREAYSKALFDSVSMQYN	
Q9M4V1	ERRTISFHGVGLSVAPELNFNELTAGCETPEEAKEAFSQALYNSVGEQYN	
SEQ ID NO: 23	.....

	451	476
P10349	VLKTAISGKQGLGASTADVSLSQPW.	
Q9FEP9	VLKTAISGKQGLGASTADVSLSQPW.	
Q39639	VLKAAIDGKQGLEASVADVSLSQPWI	
Q9FEQ0	VLKAAIYGRQALRASTADVSLSQPWI	
Q9M4V1	VLKSAIHEHRGLNASNSIISLSQPWQ	
SEQ ID NO: 23	.....

Replacement Drawing Sheets

23/37

Figure 17: Alignment of SEQ ID NO: 27 with Swiss Prot database

	1	50
SEQ ID NO: 27	MEGGGSIIALPLGLMFLFSGFFINILQLLSVLFILPFSRRAYRVVNIMM	
Q9XFW4	.MAMAAVIVPLGILFFISGLVNNLLQAVCYVLRPMSKNTYRKINRVVA	
Q40119	MAIPAAAFIVPISLFFMSGVLVNFQAVFYVLRPISKDTYRRINTLVA	
Q9SDN3	.....
Q41745	MAIPLVLVVLPLGLLFLLSGLIVNAIQAVLFVTIRPFSSFYRRINRFLA	
Q9SYC8	MKIPAAALVFIPVGVLFLLISGLIVNIIQLVFFIIVRPFSRSYRRINKNVA	

	51	100
SEQ ID NO: 27	EVLWSELIWLLDWWANVKVKVYTPKESWEHLGKEHALLICNHRSDIDWL	
Q9XFW4	ETLWLELVWIVDWWAGVKIQVFADDETFNRMGKEHALVVCNHRSDIDWL	
Q40119	ELLWLELVWVIDWWAGVKVQLYTDTESFRLMGKEHALLICNHRSDIDWL	
Q9SDN3	.....MGKEHALVISNHRSDIDWL	
Q41745	ELLWLQLVWVVDWWAGVKVQLHADEETYRSMGKEHALIISNHRSDIDWL	
Q9SYC8	ELLWLQLIWLFDWWACIKINLYVDAETLELIGKEHALVLSNHRSDIDWL	

	101	150
SEQ ID NO: 27	GWIIAQRCLGCLGGTRAVMKKSTKFLPVIGWSMWFSEYVFLSRDWAKDEK	
Q9XFW4	GWIIAQRSGCLGSALAVMKKSSKFLPVIGWSMWFSEYFLERNWAKDEST	
Q40119	GWVLAQRCLGCLSSSIAMKKSSKFLPVIGWSMWFSEYFLERNWAKDENT	
Q9SDN3	GWVLAQRSGCLGSSLAVMKKSSKFLPVIGWSMWFSEYFLERSWAKDEGT	
Q41745	GWIIAQRSGCLGSTLAVMKKSSKFLPVIGWSMWFSEYFLERSWAKDEKT	
Q9SYC8	GWVMAQRVGCLGSSLAIMKKEAKYLPVIGWSMWFSDYIFLERSWAKDENT	

	151	200
SEQ ID NO: 27	LKNGYSSSLKGFPRTLWVALFVEGTRFTKAKLEAAQKFAADTGLRVPRHVL	
Q9XFW4	LQSGLQRLNDFPRPFWLALFVEGTRFTEAKLAAQEYAAASELPVPRNVL	
Q40119	LKSGLQRLNDFPKPFWLALFVEGTRFTKAKLLAAQEYAAAGLPVPRNVL	
Q9SDN3	LKSGVQRLKDFPQPFWLALFVEGTRFTQAKLLAAQEYAAATGLPVPRNVL	
Q41745	LKWGLQRLKDFPRPFWLALFVEGTRFTPAKLLAAQEYAAASQGLPAPRNVL	
Q9SYC8	LKAGFKRLEDFPMTFWLALFVEGTRFTQEKLEAAQEYASIRSLPSRNVL	

	201	250
SEQ ID NO: 27	VPRTKGFVSAVENLREFVPVVDYDMTVAISKELPNPTMIRIFRGQPSVVHV	
Q9XFW4	IPRTKGFVSAVSNMRSFVPAIYDMTVAIPKTSPPPTMLRFLKQPSVVHV	
Q40119	IPRTKGFVSAVSNMRSFVPAIYDLTVAIPKTTQPTMLRFLRGKSSVVHV	
Q9SDN3	IPRTKGFVTAVSQMRSFAPAIYDVTVAIPKSSPAPTMLRFLFGRPSVVHV	
Q41745	IPRTKGFVSAVSIMRDFVPAIYDTTVIVPKDSPQPTMLRILKGQSSVIHV	
Q9SYC8	IPRTKGFVSAVSEIRSFVPAIYDCTLTVHNNQPTPTLLRMFSGQSSEINL	

Replacement Drawing Sheets

24/37

Figure 17 (continued)

	251	300
SEQ ID NO: 27	HVRRVPMSDLPEGANAISKWCHDAFHIKDDRLEQHEKENTFGEDLYPIE	
Q9XFW4	HIKCHSMKDLPEPEDEIAQWCRDQFVAKDALLDKHIAADTFPGQKEQNIG	
Q40119	HLKRHLMKDLPKTDDGVAQWCKDQFISKDALLDKHVAEDTFSGLEVQDIG	
Q9SDN3	HIKRHVMRDLPETDEAVAQWCKDIFVAKDALLDKHTVEQTFGDQQLKVTG	
Q41745	RMKRHAMSEMPKSDEEDVSKWCKDIFVAKDALLDKHLATGTFD.EEIRPIG	
Q9SYC8	QMRRHKMSelpETDDGIAQWCQDLFITKDAQLEKYFTKDVFSdLEVHqIN	

	301	350
SEQ ID NO: 27	RPLKPLIIVISWAITLLAAAWFLRR..VLSTWKGIAWVAGVLVVVMLCV	
Q9XFW4	RPIKSLAVVSWACLLTLGAMKFLHWSNLFSSWKGIALSAFGLGIITLCM	
Q40119	RPMKSLVVVSWMCLLCLGLVKFLQWSALLSSWKGMMITTFVLGIVTVLM	
Q9SDN3	RPLKSLLVVTAWACLLILGALKFLYWSSLLSSWKGIAFSALGLGVTVLM	
Q41745	RPVKSLLVTLFWSCLLLFGAIEFFKWTQLLSTWRGVAFtaAGMALvtGVM	
Q9SYC8	RPIKPLIVViiWLGFLVFGGFKLLQWLSIVASWkiILLFVFFLViatITM	

	351	391
SEQ ID NO: 27	QILVMSSQSERSSDPAAKKANQKQAASVAHLGKTD.....	
Q9XFW4	QILIRSSQSERSTPAKVAPAKPKDNHQSGPSSQTEVEEKQK	
Q40119	HILIRSSQSEHSTPAKTRARQTAENPK.....	
Q9SDN3	QILIRFSQSERSTPAPVAPTNNKNKGESSGKPEKQQ.....	
Q41745	HVFIMFSQAERSSSARAARNRVKKE.....	
Q9SYC8	QILIQSSESQRSTPAKRPLQEQLISA.....	

Replacement Drawing Sheets

25/37

Figure 18: Alignment of SEQ ID NO: 8 with Swiss Prot database

	1	50
SEQ ID NO: 8	MESTADVGMSSDDDPILLNGLETPLLAEFPLGERPTIGPEAPVNPFPHEPDG	
P42322	.....
Q9NKNW7	.....
Q9XFJ4	.....MGQREDIRTLSENEYEVTDIPRRGGLSVVRRGTRRRTLHSGQHHE	
O35259	.....
Q9FF57	.....

	51	100
SEQ ID NO: 8	GWKTNNNEWNYFQMMKSILLIPLLLVRLVSMITIVAFGYVWIRICLIGVTD	
P42322	.....
Q9NKNW7	.....
Q9XFJ4	VVAIKTLR.RFGPPPAPEKKSINLSRVPQAALISETLTNELLVMKIVE	
O35259	.....METIMDDEVTKRTSAAEELESWNLLSRNTYN.	
Q9FF57	.....MIEQLGLIIMGLIHYQSERVKPREWLKLSSENSR	

	101	150
SEQ ID NO: 8	PLFKPFNPCRRLWGIRLVARAVMTMGYYYIPIKGPAPHRSEAPIIVS	
P42322	.....
Q9NKNW7	.....
Q9XFJ4	DVSPHPNVIHLYDVCEDPSGVHLILELCSGGELFDRIAGQARYNEEGAAA	
O35259	...FQYISLRLTILWGLGVLRICYFLLPLRLAFTGIGLLVVGTTMVG	
Q9FF57	LG.NTKTNHRRSETGDVSYEQRDLLDISPTLTEAGAIVDFHCFKTCRCF	

	151	200
SEQ ID NO: 8	NHIGFLDPIFVFYRHLPAIVSAKENVEMPIIGLFLQALQIIPVDRDQAQ	
P42322	.....
Q9NKNW7	.....
Q9XFJ4	VVRQIAKGLEALHGASIVHRDLKPENCLFLNKDENSPLKIMDFGLSSIED	
O35259	LPNGRFKEFLSKHVHLMCYR.....	
Q9FF57	TLAFGWIIIFLSLFIPVNALLK.....	

	201	250
SEQ ID NO: 8	RHHAAGNVRRRAVDNMWSHVMLFPQGTTTNGRAIIAFKTGAFSPGLPVQP	
P42322	.....
Q9NKNW7	.....
Q9XFJ4	FANPVVGLFGSIDVVSPEALSREKITTKSDIWSLGVILYILLSGYPPFIA	
O35259	.....
Q9FF57	.....GQDRLRKKIER	

Replacement Drawing Sheets

26/37

Figure 18 (continued)

	251	300
SEQ ID NO: 8	MVIRYPHKYVNPSCDQGGPLVVVLQLMTQFINHMEVEYLPVMKPTVREM	
P42322	.....
Q9NWK7	.....
Q9XFJ4	PSNRQKQMILNGQFSFDEKTWKNISSAKQLISSLLKVDPNMRPTAQEI	
O35259	ICVR.ALTAITYHN.....	
Q9FF57	VLVEMICSFFVASWTG.....	

	301	350
SEQ ID NO: 8	KYPHEFASRVRSEMAKALGIVCTEHSFLD...IKLALAAEKLKQPSGRSL	
P42322	.....MGTNTSSLRP	
Q9NWK7	.....MGN	
Q9XFJ4	LEHPWVTGDLAKQEOMDAEIVSRLQSFNARRKFRAAAMASILSSSFLRT	
O35259	.....RKNRPRN.....GG	
Q9FF57	.....VVKYHGPRPSIRP...KQ	

	351	400
SEQ ID NO: 8	VEFARMEKLFRLDFPTAKEYLEKFSSAMDRTHSGF..VTFEELCTALDLP.	
P42322	EEVEEMQKGTNFTQKEIKKLYKRFKKLDKDGNGT..ISKDEFMLIPELA.	
Q9NWK7	ENSLPMELCSNFDPEIKRLGKRFRKLDLDNSGS..LSVDEFMTLPELQ.	
Q9XFJ4	KKLKKLVGSYDLKPEELENLSHNFKKICKNGENSTLLEFEEVLKAMEMSS	
O35259	ICVANHTSRIDVIFASDGYAMVGQVHGGLMGVIQRAMVKACPHVWFE.	
Q9FF57	VYVANHTSMIDFIVLEQMTAFVIMQKHPGWVGLLQSTILESVCIWFN.	

	401	450
SEQ ID NO: 8	RSPITKQVFNLFDKDGHGSINFREFLAGLAFVSSHTSFSSTMEAFAKACD	
P42322	VNPLVKRVISIFDENGDSVNFKEFIAALSVFNAQGDQQRKLEFAFKVYD	
Q9NWK7	QNPLVQRVIDIFDTDGNGEVDFKEFIEGVSQFSVKGDKLSKLRFAFKIYD	
Q9XFJ4	LVPLAPRIFDLFDNNRDGTVDMRIIGGFSSSLKYSQGD.DALRLCFQVYD	
O35259	RSEVKDRHLVAKRLTEHVQDKSKLPILIFPEGTCINNT.SVMMFKKGSFE	
Q9FF57	RSEAKDREIVAKLRDHVQGADSNPLLIFFPEGTCVNNN.YTVMFKKGAFE	

	451	500
SEQ ID NO: 8	VNGDGTLSRDEVERSLDIFPELPPI.....TVFKLFDTLINHDEKIS	
P42322	IDGDGYISNGELFTVLKMMVGNNLSD.VQLQQIVDKTILEADEDGDGKIS	
Q9NWK7	MDKDGYSISNGELFQVLKMMVGNNLKD.TQLQQIVDKTIIHADADGDGKIS	
Q9XFJ4	TDRSGCISKEEVESMLRALPEDCLPINITEPGKLDEIFDLMDANSDGKVT	
O35259	IGATVYPVAIKYDPQFGDAFWNSSKYG.....MVTYLLRMMTSWAIVCSV	
Q9FF57	LDCTVCPIAIKYNKIFVDAFWNSRKQS.....FTMHLQLMTSWAVVCEV	

Replacement Drawing Sheets

27/37

Figure 18 (continued)

	501	550
SEQ ID NO: 8	WEEFSSFLQRNPEYLAIIIYAHPTLLKPPTSTS.....	
P42322	FEEFAKTLSHQDLENKMTIRL.....	
Q9NKW7	FEEFCVVGNMDVHKKMVVDV.....	
Q9XFJ4	FDEFKAAMQRDSSLQDVVLSSLRPN.....	
O35259	WYLPPMTREKDEDAVQFANRVKSAIARQEDW.....	
Q9FF57	WYLEPQTIRPGETGIEFAERVDMISLRAGLKKVPWDGYLKYSRPSPKHS	

	551	568
SEQ ID NO: 8	
P42322	
Q9NKW7	
Q9XFJ4	
O35259	
Q9FF57	ERKQQSFAESILARLEEK	

Replacement Drawing Sheets

28/37

Figure 19: Alignment of SEQ ID NO: 10 with Swiss Prot database

	1	50
Q24214	.....
P28470	.....
SEQ ID NO: 10	MTSTENTAMFTEDTSTLNGSTEANHAEFPLGERPTIGPEPPVNPFHESST	
O35259	.....METIMDDEVTKRTSAEEL	
Q9XFJ4	MGQREDIRTLISNEYEVTDIPRRGGLSVVRRGTRRRTLHSGQHHEVVAIKT	
	51	100
Q24214	.....
P28470	.....
SEQ ID NO: 10	WSIPQVIKTILLVPLLVIIRLLSMFALMMLGYICVKVAMIGCKDPLFKPFW	
O35259	ESWNLLSRTNYNFYISLRLTILWGLVLIIRYCFLLP.....	
Q9XFJ4	LRRFGPPPAPEKKSLNKSVPQAALISETLTNELLVMIKIVEDVSPHPN	
	101	150
Q24214	.....
P28470	.....
SEQ ID NO: 10	PLRRLLLVSVRLIARGVMVAMGYYYILVKGKPAHRVAPIIVSNHIGFVD	
O35259	.....LRIALFTGIGLLVVG.....TTMVG...	
Q9XFJ4	VIHLYDVCEDPSGVHLILELCSGGELFDRIAGQARYNEEGAAAVVRQIAK	
	151	200
Q24214	.....
P28470	.....
SEQ ID NO: 10	PIFVFYRHLPIVIVSAKEIVEMPIIGMFLQALQIIPVDRINPASRHHAGN	
O35259	.....YLPNGRFKEFLSKH....	
Q9XFJ4	GLEALHGASIVHRDLKPENCLFLNKDENSPLKIMDFGLSSIEDFANPVVG	
	201	250
Q24214	.....
P28470	.....
SEQ ID NO: 10	IRRRAMDNEWPHVMLFPEGTTTNGKALISFKTGAFSPGLPVQPMVIKYPH	
O35259	.....VHLMCYR.....	
Q9XFJ4	LFGSIDYVSPEALSREKITTKSIDIWSLGVILYIILSGYPPFIAPSNRQKQ	
	251	300
Q24214	.....
P28470	.....
SEQ ID NO: 10	KYVNPCWCNQGGPLVILFQLMTQFVNYMEVEYLPVMTPNVHEIKNPHEFA	
O35259	.....ICVR.....ALTAITYHNRK	
Q9XFJ4	QMILNGQFSFDEKTKWKNISSAKQLISSLLKVDPNMRPTAQEILEHPWVT	

Replacement Drawing Sheets

29/37

Figure 19 (continued)

	301	350
Q24214	.....	MGNETSLPME
P28470	.....	GNEASYHSE
SEQ ID NO: 10	NRVRTMAKALGVVCTEHNF...	LDIKLKMAAEKQPSGRSLVEFARME
O35259	NRPR.....	N.....GGICVANHT
Q9XFJ4	GDLAKQEQMDAEIVSRLQSFNARRKFRAAAMASILSSSFSLRTKKLKKLV	

	351	400
Q24214	MCSNFDADAEIRRLGKRFRKLDLD..	NSGALSVDEFMSLPQL.QNPLVQR
P28470	MGTHFDHDEIKRLGRSFKKMDLD..	KSGSLSVDEFMSLPQL.QNPLVGR
SEQ ID NO: 10	KLFLDYSKAQEYLEKFSAMDPS..	HSGYVTYDEFLKALHLP.PTQITEQ
O35259	SRIDVIIFASDGYAMVGQVHGG..	LMGVIQRAMVKACPHVW.FERSEVK
Q9XFJ4	GSYDLKPEELENLSHNFKKICKNGENSTLLEFEEVLKAMEMSSLVPLAPR	

	401	450
Q24214	VIDIFDADGNGEVDKFKEFIQVVSQFS.	VKGDKLSKLRFAFRIYDMNDGY
P28470	VIDIFDTDGNGEVDREFIVGTSQFS.	VKGDEEQKLRFAPRIYDMNDGF
SEQ ID NO: 10	VFNLFDKNGHGSINFREFVAGLAFLS.	THTSFQTTMKAAFKACDVDGDGT
O35259	DRHLVAKRLTEHVQDKSKLPILIFPEGTCINNTSVMFMFKKGSFEIGATVY	
Q9XFJ4	IFDLFDNNRDGTVDMRIIGGFSSLK..	YSQGDDALRLCFQVYDTRSGC

	451	500
Q24214	ISNGELFQVLKMMVGNNLKD.TQLQQIVDKTIGFADKDEDGKISFDEFCS	
P28470	ISNGELFQVLKMMVGNNLKD.WQLQQLVDKSILVLDKDGGRISFEEFRD	
SEQ ID NO: 10	LTRNEVESSLMAVFP.....	ELPPATVLKLFDTLDLNRDGSINWEEFSS
O35259	PVAIKYDPQFGDAFWN.....	SSKYGMVTYLLRMTSWAIVCS
Q9XFJ4	ISKEEVESMLRALPEDCLPINITEPGKLDEIFDLMDANS DGKVTFDEFKA	

	501	532
Q24214	VVGNTDIHKMVDV.....	
P28470	VVRTMEIHKLVVFDHGGED.....	
SEQ ID NO: 10	FLQRNPEYLAIILAAHPTLLQAPKSESEETNI	
O35259	VWYLPMTREKDEDAVQFANRVKSAIARQEDW	
Q9XFJ4	AMQRDSSLQDVVLSSLRPN.....	

Replacement Drawing Sheets

30/37

Figure 20: Alignment of SEQ ID NO: 12 with Swiss Prot database

	1	50
Q9XFW4	.MAMAAAVIVPLGILFFISGLVNVNLLQAVCYVLVRPMSKNTYRKINRVVA	
Q9SDN3	.....
Q40119	MAIPAAAFIVPISLLFFMSGVLVNFQAVFYVLVRPISKDTYRRINTLVA	
Q41745	MAIPLVLVVLPLGLLFLLSGLIVNAIQAVLFVTIRPFKSFYRRINRFLA	
Q9SYC8	MKIPAALVFIPVGVFLISGLIVNIIQLVFFIIVRPFSSLYRRINKNVA	
SEQ ID NO: 12	.....	MIMM

	51	100
Q9XFW4	ETLWLELVWIVDWWAGVKIQVFADDETFNRMGKEHALVVCNHRSDIDWL	V
Q9SDN3	.....	MGKEHALVISNHRSDIDWL
Q40119	ELLWLELVWVIDWWAGVKVQLYTDTESFRLMGKEHALLICNHRSDIDWLI	
Q41745	ELLWLQLVWVVDWWAGVKVQLHADEETYRSMGKEHALIISNHRSDIDWLI	
Q9SYC8	ELLWLQLIWLFDWWACIKINLYVDAETLELIGKEHALVLSNHRSDIDWLI	
SEQ ID NO: 12	EVLWSELIWLDDWANVKVKVYTPKESWEHLGKEHALLICNHRSDIDWL	V

	101	150
Q9XFW4	GWILAQRSGCLGSALAVMKSSKFLPVIGWSMWFSEYLFLEARNWAKDEST	
Q9SDN3	GWVLAQRSGCLGSSLAVMKSSKFLPVIGWSMWFSEYLFLEARNWAKDEGT	
Q40119	GWVLAQRSGCLSSSIAMVKSSKFLPVIGWSMWFSEYLFLEARNWAKDENT	
Q41745	GWILAQRSGCLGSTLAVMKSSKFLPVIGWSMWFSEYLFLEARNWAKDEKT	
Q9SYC8	GWVMAQRVGCLGSSLAIMKKEAKYLPPIGWSMWFSDYIFLEARNWAKDENT	
SEQ ID NO: 12	GWIIAQRGCLGGTRAVMKSTKFLPVIGWSMWFSEYVFLSRDWAKDEKV	

	151	200
Q9XFW4	LQSGLQRLNDFPRPFWLALFVEGTRFTEAKLAAQEYAAASELPVPRNVL	
Q9SDN3	LKSGVQRLKDFPQPFWLALFVEGTRFTQAKLLAAQEYAAATGLPVPRNVL	
Q40119	LKSGLQRLNDFPKPFWLALFVEGTRFTKAKLLAAQEYAAASAGLPVPRNVL	
Q41745	LKWGLQRLKDFPRPFWLALFVEGTRFTPAKLLAAQEYAAASQGLPAPRNVL	
Q9SYC8	LKAGFKRLEDFPMTFWLALFVEGTRFTQEKLEAAQEYASIRSLPSRNVL	
SEQ ID NO: 12	LKNGYSSLKGFPRTLWVALFVEGTRFTKAKLEVAQKFAADTGLRVPRYVL	

	201	250
Q9XFW4	IPRTKGFVSAVSNMRSFVPAIYDMTVAIPKTSPPPTMLRLFKGQPSVVHV	
Q9SDN3	IPRTKGFVTAVSQMRSFAPAIYDVTVAIPKSSPAPTMLRLFEGRPSVVHV	
Q40119	IPRTKGFVSAVSNMRSFVPAIYDLTVAIPKTTEQPTMLRLFRGKSSVVHV	
Q41745	IPRTKGFVSAVSIIMRDFVPAIYDTTVIVPKDSPQPTMLRLKQSSVIHV	
Q9SYC8	IPRTKGFVSAVSEIRSFVPAIYDCTLTVHNNQPTPTLLRMFSGQSSEINL	
SEQ ID NO: 12	VPRTKGFVSAVENLREFVPVYDMTVAISKELPNPTMIRIFRGQPSVVHV	

Replacement Drawing Sheets

31/37

Figure 20 (continued)

	251	300
Q9XFW4	HIKCHSMKDLPEPEDEIAQWCRDQFVAKDALLDKHIAADTFPGQKEQNIG	
Q9SDN3	HIKRHVMRDLPETDEAVAQWCKDIFVAKDALLDKHTVEQTFGDQQLKVTG	
Q40119	HLKRHLMKDLPKTDDGVAQWCKDQFISKDALLDKHVAEDTFSGLEVQDIG	
Q41745	RMKRHAMSEMPKSDEDVSKWCKDIFVAKDALLDKHLATGTFD.EEIRPIG	
Q9SYC8	QMRRHKMSELPETDDGIAQWCQDLFITKDAQLEKYFTKDVFSDLVHQIN	
SEQ ID NO: 12	YVRRVPMSDLPEGANAISKWCHDAFHIKDDRLEQHEKENTFGEDLYIPIE	
	301	350
Q9XFW4	RPIKSLAVVSWACLLTLGAMKFLHWSNLFSSWKGIASAFGLGIITLCM	
Q9SDN3	RPLKSLVVTAWACLLILGALKFLYWSSLLSSWKGIASALGLGVTVLM	
Q40119	RPMKSLVVVSWMCLLCLGLVKFLQWSALLSSWKGMMITTFVLGIVTVLM	
Q41745	RPVKSLLVTLFWSCLLLFGAIEFFKWTQLLSTWRGVAFATAAGMALVTGVM	
Q9SYC8	RPIKPLIVVVIWLGLVFGGFKLLQWLSIVASWKIILLFVFFLVIATITM	
SEQ ID NO: 12	RPLKPLIIVISWAITLLAAAWFLRR.VLSTWKGIAWVAGVLVVMLCV	
	351	391
Q9XFW4	QILIRSSQSERSTPAKVAPAKPKDNHQSGPSSQTEVEEKQK	
Q9SDN3	QILIRFSQSERSTPAPVAPTNNKNKGESSGKPEKQQ.....	
Q40119	HILIRSSQSEHSTPAKTRARQTAENPK.....	
Q41745	HVFIMFSQAERSSSARAARNRVKKE.....	
Q9SYC8	QILIQSSESQRSTPAKRPLQEQQLISA.....	
SEQ ID NO: 12	QILVMSSQSERSSDPAAKKANQKQAASVAHLGKTD.....	